

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001634

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B23K 9/09

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B23K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03076114 A1 (LINCOLN GLOBAL, INC.), 18 Sept 2003 (18.09.2003), page 2, line 2 - line 23 --	1-10
A	US 6515259 B1 (HSU ET AL), 4 February 2003 (04.02.2003), abstract --	1-10
A	US 5667709 A (UEYAMA ET AL), 16 Sept 1997 (16.09.1997), abstract -- -----	1-10

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

31 January 2005

Date of mailing of the international search report

17 -02- 2005

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

31/12/2004

International application No.

PCT/SE 2004/001634

WO	03076114	A1	18/09/2003	CA	2474938 A	18/09/2003
				EP	1490194 A	29/12/2004
				US	6717107 B	06/04/2004
				US	20040074886 A	22/04/2004

US	6515259	B1	04/02/2003	US	6717107 B	06/04/2004
				US	20040074886 A	22/04/2004

US	5667709	A	16/09/1997	DE	69130997 D,T	02/12/1999
				EP	0478796 A,B	08/04/1992
				JP	2993174 B	20/12/1999
				JP	4060137 U	22/05/1992
				JP	4333368 A	20/11/1992
				JP	8001708 Y	24/01/1996
				KR	219813 B	01/09/1999
				US	5508493 A	16/04/1996
				US	5670071 A	23/09/1997
				WO	9116168 A	31/10/1991